

THE HARTFORD HERALD

Subscription \$1.50 Per Year, in Advance

"I Come, the Herald of a Noisy World, the News of All Nations Lumbering at My Back."

All Kinds Job Printing Neatly Executed.

48th YEAR.

HARTFORD, KY., WEDNESDAY, SEPTEMBER 13, 1922.

NO. 37

AUTO CONTEST CLOSES IN BLAZE OF GLORY GIVING HERALD HUGE CIRCULATION

All Prizes Have Been Turned Over To Winners; Total Vote and List of Winners Given Below.

THE ELEVEN WINNERS

First Grand Prize

1922 Chevrolet Sedan

Miss Helen-Amelia Barnett, Hartford

Second Grand Prize

\$100.

Miss Mary Elizabeth Ashby, McHenry

District Prizes

District Number One

Miss Mildred Stevens, Beaver Dam Star Route, Wardrobe Trunk. Miss Goldia Austin, Beaver Dam, 15-jewel Elgin Wrist Watch. Miss Edith Tatum, Simmons, 26-piece set of Silverware.

District Number Two

Roger D. Tweddell, Hartford R. F. D. 4, Wardrobe Trunk. Miss Ella Crowe, Livermore R. F. D. 1, 15-jewel Elgin Wrist Watch. Miss Amanda Harl, Fordsville, 26-piece set of Silverware.

District Number Three

Miss Wilda Chinn, Hartford R. F. D. 2, Wardrobe Trunk. Miss Georgia White, Hartford, 15-jewel Wrist Watch. Mrs. Mae Colburn, Hartford R. F. D. 1, 26-piece set of Silverware.

Winners of Cash Awards.

All other candidates listed below will be awarded cash commissions.

The contest ended last Saturday night at nine o'clock and shortly after that hour the three Contest Judges took charge of matters and proceeded to count the votes in the presence of the largest crowd that has been seen in Hartford in many a day. It was a good natured crowd altho the rivalry was keen. When the final verdict was given many were made very happy and others were somewhat disappointed as must be the case in any race where several are striving for the same goal.

Everyone who had taken part in the campaign displayed the finest kind of sportsmanship and in some instances winners received their first congratulations from some who were not so fortunate. It was a race of keen competition, contested vigorously up to the very end, but at no time was there any feeling of bitterness nor unkindness as those who had waged a strenuous campaign and had done such good work showed the public an admirable spirit by accepting with splendid grace the final verdict at the close of a hard fought race.

The Judges

The Herald wishes to express its appreciation of the splendid work of the three gentlemen who consented to act as Contest Judges at the closing as their efforts were a big factor in bringing the campaign to such a satisfactory conclusion.

The Contestants

The Herald wishes to thank each and everyone of the contestants for the splendid work as they have placed a Herald subscription in the majority of Ohio County's homes. They have added so many names to the subscription list that the Herald now has a circulation of which any weekly newspaper published in any town several times the size of Hartford might well be proud. The Herald took the financial risk and the prize list was made just a little larger than ordinary business judgment might suggest as it wanted to turn back to the contestants in

W. J. DUFFY,
Representing Reliance Circulation
Co., of Duluth, Minnesota.

Standing of Contestants in the Auto Contest.

District Number One

| | |
|-------------------------------------|------------|
| Miss Mary Elizabeth Ashby, Mc Henry | 17,560,800 |
| Miss Mildred Stevens, Beaver Dam | 8,125,900 |
| Miss Goldia Austin, Beaver Dam | 7,860,800 |
| Miss Edith Tatum, Simmons | 4,680,700 |
| Miss Marie Brown, Beaver Dam, R | 3,859,600 |
| Miss Flossie Thiesen, McHenry | 3,360,600 |
| Mrs. Ellis Sandefur, Beaver Dam, R | 1,669,700 |
| Miss Magdalene Ranney, Select | 1,585,300 |
| Miss Lois Chinn, Beaver Dam, R-2 | 1,505,800 |
| Miss Myra Graves, Echols | 1,451,600 |
| Miss Mary Jane Fulkerson, Echols | 1,450,700 |
| Mrs. H. B. Martin, Centertown | 1,271,700 |
| Miss Bessie Ashby, Centertown, R-2 | 1,264,800 |
| Mrs. Horace Taylor, Beaver Dam | 1,092,300 |
| Miss Cozelle Addington, Equality | 1,040,800 |
| Miss Hazel Bennett, Beaver Dam | 914,900 |
| Miss Glyndean Chian, Beaver Dam | 731,200 |
| Miss Mary Hendrie, Rockport | 711,600 |
| Miss Susie Crabbe, Cromwell | 610,300 |
| Miss Gertie White, Balzertown | 605,400 |
| Miss Lucile Taylor, Beaver Dam, R | 600,500 |
| Miss Golda French, Prentiss | 470,200 |
| Mrs. Bernice Calloway, McHenry | 420,400 |
| Mrs. Milton Barnard, Centertown | 185,900 |

| | |
|-----------------------------------|---------|
| Miss Madalene Rowe, Equality | 182,800 |
| Miss Ollie Shephard, Prentiss | 180,400 |
| Miss Jessie Hicks, Echols | 173,200 |
| Miss Anna Wood, Rockport, R-1 | 165,100 |
| Mrs. Maud Everly, Centertown, R-1 | 153,500 |
| Mrs. R. E. Eudaley, Ceralvo | 150,800 |
| Miss Vera Rhoads, Beaver Dam, R-1 | 142,900 |
| Miss Mary Ethel Everly, Ceralvo | 125,600 |
| Mrs. Vera Faught, Equality | 103,400 |
| Miss Myrl Tipton, Rockport | 62,500 |

117,300 ACRES PLEDGED IN DARK TOBACCO DISTRICT

REGULAR SEPTEMBER TERM OHIO CIRCUIT COURT

Convenes Monday: Petit Jury
Summoned For Tuesday;
Number of Cases Set.

The regular September term of the Ohio Circuit Court will convene Monday morning with Judge Geo. S. Wilson presiding and Hon. Glover H. Cary representing the Commonwealth. The term will, however, be devoted to civil business in the main.

The following have been summoned to report Tuesday the 12th, to serve as petit jurors for the ensuing term: M. M. Tate, J. D. Cooper, M. C. Schroeder, J. P. Casebier, C. S. White, J. M. Christian, T. B. Bell, L. B. Overholtz, Alvin Ross, J. H. Leach, Marion W. Bell, G. W. Faught, H. B. Truman, Courtland Taylor, W. H. Baile, G. W. Jeffries, L. A. Stevens, Ira Wallace, Will Griffith, J. P. Paxton, J. M. McFeran, T. M. Daniel, C. W. Foreman, Benney-Graham, C. P. Kissinger, J. T. Barnes, Charles Shown, W. R. Skinner, Dick Stevens, Thomas Rendler, Jesse Swope, R. B. Beck, J. W. Miller, Barnett Tinsley, John Pirtle, Luther Hunsaker.

The following is the set docket for the term:

1st. Day

Bank of Livermore vs. Ohio Co. Board Supervisors; Carter, J. T. vs. H. L. Tucker; Green River Coal Co. vs. Ohio County Board Supervisors; Valley View Farm Co. vs. Same; Rockport Coal Co. vs. Same.

2nd. Day

Brenard Mfg. Co. vs. Ohio Co. Drug Co.; Dennis, N. P. vs. W. H. Maddox; Louisville Coal Co. vs. Easley Raynor &c.; Foster, J. W. vs. H. E. McHann &c.; Davis, R. C. vs. M. B. Barnard &c.; Rowan &c.; Louisiana vs. Beaver Dam Coal Co.; Guenther Hdw. Co. vs. J. M. Hoover &c.; Burden, Robert vs. Ohio Co. F. M. Tel. Co.; Guenther Hdw. Co. vs. C. W. Hoover; Hewlett, R. J. vs. S. J. Boone &c.

3rd. Day

Fox &c., A. M. vs. L. N. & R. R. Co.; Christian, G. J. vs. A. S. Monroe &c.; Coleman &c., R. P. vs. Geo. Sowers; Ralph, G. A. vs. Ames Body Corp.

4th. Day

Cubbert, E. F. vs. F. M. Hoover; Evans &c., P. A. vs. R. E. Lee Zimmerman; Moore, Howard vs. Broadway Coal Mfg. Co.

CRIMINAL

2nd. Day

Comth. of Ky. vs. Wheeler &c., Alfred.

7th. Day

Comth. of Ky. vs. R. B. Brown.

MRS. WELLS SUCCUMES

Mrs. Marie Wells, aged 63 years, died at the home of her son, Mr. J. B. Wells, Hartford, last Wednesday afternoon at 4:30 o'clock, after a lingering illness. The deceased lady was the mother of five children: J. B. Wells, Hartford; Mrs. J. T. Gibbs, Lewisburg; Miss Anna Wells, Lewisburg, and Owen Wells, deceased.

Funeral services were conducted at the Hartford Baptist Church at 10:30 o'clock Thursday morning, Rev. Russell Walker officiating. Interment was in Oakwood Cemetery.

The bereaved children have the most sincere sympathy in the loss of their best friend—a loving and old mother.

NOTICE

The City Council of the City of Hartford, Kentucky, will on or before October 1st, 1922, receive sealed bids for the construction of pavements in said city, in accordance with Ordinance passed Aug. 14, 1922. All bids must be accompanied by certified check for 10 per cent of amount of bid. Said Council reserves the right to reject any and all bids, in its discretion. This Aug. 31st, 1922.

L. H. BISHOP, Clerk.

36th.

PHOTOGRAPHY

I will be at my home in Hartford Saturday, Sept. 16th. Will be glad to do work for you.

E. G. SCHROETER.

District Number Two

Roger D. Tweddell, Hartford, R-4, 5,682,200

Miss Ella Crowe, Livermore, 3,445,700

Miss Amanda Harl, Fordsville, 3,176,800

Miss Ellen Boswell, Narrows, R-2, 1,214,900

Miss Elizabeth Davison, Barretts Ferry, 735,100

Mrs. Carson Duncan, Barretts Ferry, 574,500

Miss Lucy A. Smith, Horton, 421,900

Miss Ruby St. Clair, Horse Branch, 406,200

Mrs. Paul Murphy, Narrows, R-2, 340,100

Arthur Rice, Horse Branch, 150,600

Miss Ione Lee, Olaton, R-1, 141,400

Miss Nancy Moore, Olaton, 109,700

Miss May Howell, Horse Branch, 69,100

District Number Three

Miss Helen-Amelia Barnett, Hartford, 23,645,800

Miss Wilda Chinn, Hartford, R. 2, 6,150,900

Miss Georgia White, Hartford, 5,850,800

Mrs. Mae Coleburn, Hartford, R-1, 2,765,700

Mrs. Cora Renfrow, Owensboro, 2,395,800

Miss Versia Newcomb, Hartford, 810,100

Miss Mary Harrison, Utica, R-2, 141,400

BASEBALL

THANK FRIENDS

We wish to extend our most sincere thanks to each and every one of our friends who so liberally and kindly aided us in winning the Chevrolet Sedan given by the Herald in its subscription contest.

We certainly appreciate every effort made in our behalf.

CARD OF THANKS

I wish to thank my friends who gave me their support in the recent contest of the Hartford Herald. Your support enabled me to win the First District prize, of which I am very appreciative. I thank the Editors of the Herald and their Contest Manager, for their courteous and fair treatment.

I congratulate the winner of the capital prize.

Respectfully,

ROGER D. TWEDDELL.

CARD OF THANKS

I wish to thank all my friends and relatives who helped me win the beautiful watch by subscribing for the Herald.

GEORGIA M. WHITE.

CARD OF THANKS

I take this means of thanking my friends, both one and all, for their assistance in the Herald Contest that made it possible for me to obtain the fine Wardrobe Trunk, the First Prize in District No. 1.

May prosperity be your lot.

MILDRED STEVENS.

MISS BENNETT IS GRATEFUL

Through the columns of this paper I wish to thank my friends who assisted me in the recent Herald Contest. I also congratulate the winners of the prizes.

Respectfully,

HAZEL BENNETT.

MASTER CHARLES ROSS BENNETT CELEBRATES BIRTHDAY

Mrs. Anna J. Bennett entertained a number of little folks at her hospitable home on Walnut Street last Tuesday afternoon, from 3 to 5 o'clock, in honor of the seventh anniversary of her son, Master Charles Ross.

FARM EXTRACTS

INFORMATION FROM THE EXPERIMENT STATION — AGRICULTURAL PAPERS AND THE COUNTY AGENT'S OFFICE

Beans In Corn Build Up Soils At Low Cost

With corn and soybeans in the best stage for hogging off in practically all parts of the state, many Kentucky farmers are finding that growing the beans in the same row with corn offers a means of bringing about considerable soil improvement at small cost. Results being obtained by farmers in all sections of the state who co-operated with the College of Agriculture in conducting demonstrations on their farms show that nitrogen valued as high as \$11.50 was obtained through the use of about 30 cents worth of bean seed.

The highest value in nitrogen produced during the summer that has been reported up to the present time was the \$11.50 worth obtained by H. J. Miller, a Warren county farmer who lives near Bowling Green. Another farmer in the same county who grew beans in corn obtained \$5.44 worth of nitrogen from each acre of his beans while a third Warren county farmer, R. H. Meng, had soybeans that produced \$8.16 worth of nitrogen from each acre of beans which he grew with corn.

Good stands of beans were obtained in each of these four cases despite the fact that the soybeans were grown with corn. In addition, each farmer reported that the yield of his corn had been reduced little if any by the beans. The stand of beans was heaviest on the farm of Mr. Miller where five bean stalks were found to every one of corn. Eighty per cent of the nitrogen produced, which is the most expensive plant food element required by Kentucky soils, will be returned to the land when the beans and corn are hogged down. In addition, it is estimated that the beans growing in the corn will produce 150 pounds more of pork an acre than is obtained when corn alone is hogged down.

The amount of nitrogen produced in the bean yield on each farm was determined from the fact that each 1,000 pounds of green beans contain about 6.8 pounds of nitrogen which was valued at 20 cents a pound. Two-thirds of this expensive plant food element was taken from the air, soils and crops specialists estimate. The amount of digestible feed produced by beans and corn growing together is said to be ten per cent higher than that produced when the beans and corn are grown separately.

Drains Reclaim Field For Muhlenberg Farmer

A tile drainage system installed at a cost of \$32.02 an acre has enabled W. G. Duncan, who operates a farm near Greenville, Muhlenberg county, to convert one of the poorest pieces of his land into the most productive, according to a report which he has just made on a demonstration conducted in co-operation with the extension division of the College of Agriculture.

Before being drained the ten-acre field had a number of seepage spots and was so wet that many parts of it could not be cultivated in the spring. A portion of it was drained naturally but despite this fact, the major part of the field was extremely wet during most of the season because of the dense clay subsoil. Previous to drainage, the field had never produced a crop yield that was large enough to pay for the cost of cultivation.

Now that the field is properly drained, Mr. Duncan says that it is one of the best ones on the farm. A heavy crop of soybeans produced on it during the summer is considered good evidence that the drainage system accomplished its work. The value of the system was further demonstrated during the early summer when no water was left standing on the field after a four-inch rainfall. The tiles were installed at an average depth of three feet in laterals that were placed approximately 80 feet apart. The cost of \$32.02 an acre included the cost of the tile, freight charges, and the labor of digging the trenches and laying the tiles.

Many farmers are expected to drain their wet fields during the coming year as a result of similar demonstrations which are being conducted in all sections of the state. Farmers who are contemplating the installation of a drainage system are being urged to lay out their proposed lines and order the necessary tile at once so as to have them on hand when the best season for laying them arrives. The trenches are best dug during the winter and early

points that need consideration when it is made.

Farmers Find Culls Do Not Produce Eggs

Eighty hens culled from the flock of 180 Brown Leghorns owned by W. W. Hampton, an Oldham county farmer who lives near Goshen, failed to produce a single egg during the week after they were removed from the flock, according to a report which he has just made on the culling demonstration conducted on his farm by poultrymen of the College of Agriculture. Scores of reports being received on similar demonstrations conducted in all parts of the state during the last few weeks by the college poultrymen and county agricultural agents show that practically every poultry flock in the state contains a surprising percentage of boarder hens that can be disposed of without reducing the egg production of the flock.

"Do you keep cows or do cows keep you?" will be one of the questions that will confront Kentucky farmers and dairymen when they visit the coming State Fair, according to N. R. Elliott, who is in charge of the educational exhibit which will be made by the extension division of the College of Agriculture. The question will form the main theme of the exhibit which will be made by the college dairy department to show why farmers and dairymen cannot afford to keep low-producing cows.

The college exhibit will be made up of twelve displays to show different phases of farm and home work being carried on over the State. As in former years, the exhibit will be housed in the grandstand building.

The exhibit of the dairy department will be built around the models of two cows—one a well-bred, high-producing animal and the other a scrubby, boarder type of individual found on many farms. A huge bank-book will be displayed over the models of the animals to show the profits that each type of cow returns to the farmer during a year. The records on this book, which will be taken from two farms in Kentucky, will show that the milk and cream alone from ten cows of the high producing type yield almost two and one-half times as much profit during the course of a year as that from ten cows of the scrub type. Feed records from the same farms will show that the ten poor cows consume as much during a year as do the ten profitable cows.

The value of the well-bred cows will be further emphasized by other facts which will be displayed with the two models. The relative value of the calves from the well-bred and scrub cows the amount of feed consumed during a year by each type of cow and the amount of labor required to take care of them will be shown by means of actual results obtained on the two farms.

Farm And Home News From Over Kentucky

Morgan county farmers officially entered the fall cover crop campaign being conducted over the state by the extension division of the College of Agriculture when 192 of them attended a series of five night meetings held by County Agent R. B. Rankin. Suggestions as to what crops to use in protecting fields from erosion and leaching during the winter together with the best methods of handling the crops were outlined by R. E. Stephenson, the college soils specialist.

Forty Nelson county farmers accompanied by County Agent C. L. Hill recently joined in an automobile tour which took them to the College of Agriculture farm at Lexington and other points of interest in the bluegrass section. After inspecting the various lines of work being carried on at the college farm, the visitors continued their trip to prominent farms in that section. Sixty farm boys from Campbell county headed by County Agent H. F. Link joined the Nelson county party at Lexington.

Members of the college farm economics department are urging that farmers in these two classes make early plans to acquaint themselves with lease contracts that will work out profitably both for the landlord and the tenant. Studies made by the department over a period of several years have brought to light rented farms in various parts of the state for which leasing contracts have been worked out that are profitable and satisfactory to all parties concerned. The terms of these contracts together with many other pointers are given in the new publication.

By far the greater number of farm tenants in Kentucky raise tobacco or tobacco and corn on shares, the publication states. Some of the satisfactory conditions for raising tobacco and corn, wheat and hay on shares together with points on share renting for dairying are outlined. A model share lease that provides for a joint interest in tobacco, corn hay and hogs together with a tobacco corn and live stock share lease are contained in the new publication. The two general types of share cropping plans in use in Western Kentucky also are outlined together with a model lease for farmers in that section of the state. Considerable attention is paid in the new publication to the general form of the share lease and the fundamental

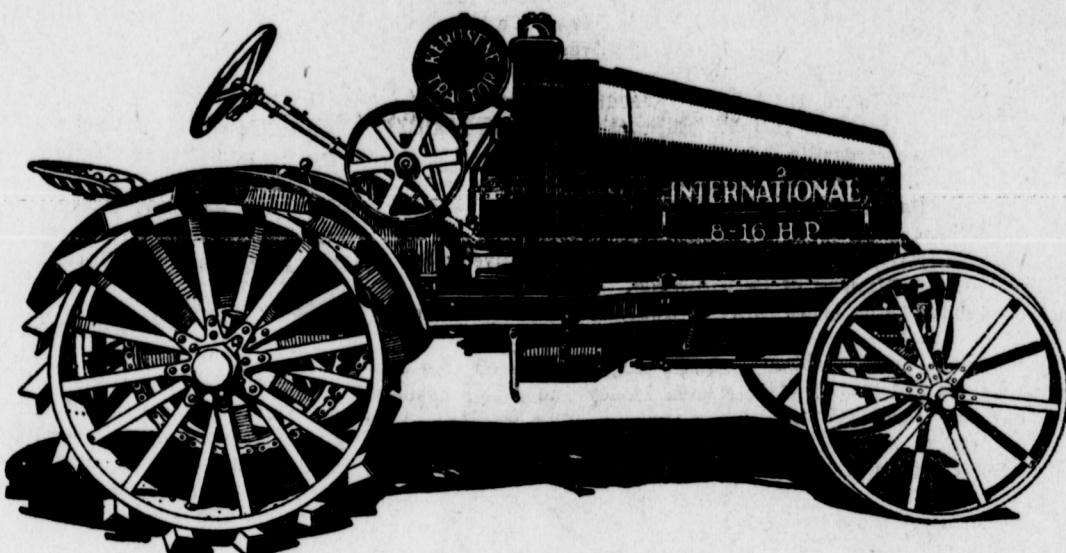


Harvester Company's

EXCEPTIONAL OFFER

\$230 Cut in Price of International 8-16 and a P. & O. 2-furrow Plow FREE.

Greatest Farm Power Value Ever Offered



International 8-16 Now \$670

F. O. B.
Chicago

This is not a stripped tractor, pared down to make a price, but complete with all essential equipment—pulleys, fenders, platform, throttle-governor, adjustable drawbar, angle irons, brakes. This equipment, worth more than \$100 and necessary on any tractor to make it serviceable and safe, included in our price. No extras to buy.

Free Plow Offer Expires October 1st

Between now and Oct. 1st, we will give to every purchaser of an International 8-16 tractor a genuine 2-bottom P. & O. Plow FREE, f. o. b. Chicago. But this is a special offer, good only until Oct. 1st, and demands quick action. See us today.

LUTHER CHINN

Beaver Dam, Ky.

By Special Arrangements We Are Able to Offer

The Hartford Herald

One Year, and the

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|---|---|--------|
| Courier-Journal, Daily, except Sunday, for | , | \$5.60 |
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This offer applies to renewals as well as new subscriptions. New subscriptions may, if desired, start at a later date, and renewals will date from expiration of present ones. Send or bring your orders to

The Hartford Herald
Hartford, Kentucky

**POT OF GOLD IN GIFT
TO RETIRING VETERAN**

**Capt. N. Ferree Leaves Treasury
After 55 Years' Service; Son
Killed in Spanish War**

Capt. Newton Ferree, 3465 Macomb street northwest, who at 78 years of age, was the oldest employee of the Treasury department, was honored on his retirement yesterday by his colleagues of the register's office, where he has served 55 years. Exercises were held in the register's office. Following the exercises there was a luncheon.

Capt. Ferree received a pot of gold from the division of paid securities, and a purse from other clerks of the departments. His work was eulogized by Harley V. Speelman register; Mrs. Corinne S. Biondi and Maj. H. L. Deam, commander, G. A. B.

Born at Belle Vernon, Pa., in 1844, Capt. Ferree enlisted in the Eighty-fourth Ohio volunteer infantry and served until 1864, when he was given a clerkship in the War Department by Secretary Stanton.

Resigning two months later, Capt. Ferree went home and assisted in organizing the 157th Ohio volunteer infantry. He returned in the year to Washington, resumed his clerkship. He was appointed in 1867 head of the division of paid securities in the Treasury, which he held until his retirement yesterday. Capt. Ferree organized Gen. Lyon post, No. 9, G. A. R. His son, Newton was killed in the Spanish war.

In the course of her remarks on the above occasion, Mrs. Biondi, who, before her marriage, was Miss Corinne Shultz, daughter of Prof. and Mrs. Ozna Shultz, of Hartford, recited the following original poem:

"AT THE END OF THE RAINBOW"

"At The End of The Rainbow," it is said,
"You will find a pot of gold."
And the story filled us with wonder
When as children to us it was told.

But as childhood's years sped from us
One by one, we've put away
All our childish faiths and fancies,
Brownies, ghosts and goblins gay.

But ever to us is clinging
(Tho' we live to three score ten)
The hope that in life's journey
We shall reach our Rainbow's end.

And now it has all been proven—
The pot of gold has been found—
(Bringing truth to that old saying)
We have it safe and sound.

And it comes at the end of a rainbow,
A rainbow that lasts and endures
Fifty-five years of service
For my glorious country and yours.

In our minds we picture a rainbow
As bright colors arranged in the sky
But in this, we have one far better,
In colors that never shall die.

Years of work and service woven,
Stretched across a well spent life,
Sparkling, glowing to our vision
Bringing cheer in days of strife.

Such a rainbow is stretched gayly
Over one whom we know well
And we wish the pot were larger, and
That it, our love could tell.

But each coin that it is bringing
Represents one year he worked—
Fifty-five years of honest effort
With never a duty shirked.

It's a record we all may envy,
It's a record, few can attain.
A life given to Uncle Sammy
With never a tho't of gain.

It shall be an inspiration
To us, each and every one
To try to give better service
Than we have ever done.

Take this pot of gold, dear Captain,
And let it speak to you
All the kind and loving wishes
That our faltering words can't do.

Let it tell you how we'll miss you
But also, how glad we'll be
Anytime you'll come to see us
At one hundred nineteen D.

And ever keep in your memory—
Let the days bring what they may
That our love is following you ever
That you're in our hearts to stay.

May dame fortune smile her kindest,

May good health with you abide,
May the best of all that's going
Be ever found at your side.

Come back to see us often
This please don't forget
And thus it won't seem possible
That you're not with us yet.

May the years that you've spent
With us
Be pleasant to recall.
May the years that are to follow
Be the best ones of them all.
C. S. B.

ABOUT TOBACCO CUTTIN' TIME

(T. T. FRAZIER)
The pollen is on the golden rod,
The pumpkin is yellowin' on the
vine,
And the sun shines kinder lazy like
About tobacco cuttin' time.

The nights have grown a little chilly
And the watermelon's fine
In the mornin' while the dew is on,
About tobacco cuttin' time.

Persimmons are kinder gettin' ripe,
Wild grapes are in their prime,
And it's a fine time to 'possum hunt
About tobacco cuttin' time.

The katydid is heard at night
From tree and weed and vine,
And the crab grass is seeded out
About tobacco cuttin' time.

Of all the seasons of the year
There's none that's more sublime
Than when the work's all rounded
up
About tobacco cuttin' time.

All the kids have started to school,
And you a'me are left behind.
To do the work of two at once
About tobacco cuttin' time.

Then eat your watermelon on ice,
From off table tops that shine,
But give me mine some dewy night
About tobacco cuttin' time.

Take your celery and cranberry
sauce

But the whippoorwill peas are mine,
And they're more delicious than ever
About tobacco cuttin' time.

McGRADY

Sept. 5.—The revival meeting at Mt. Hermon has been well attended and much interest is manifested. The preaching is by pastor, M. E. Wilcox.

Mr. Jack Harris attended the holiness meeting at Hartford, Sunday night. Much good has been accomplished by the services. The preaching was by Rev. Otis H. Randall.

Maxie Hurt, wife and children, Lora B., Bessie and Arthur, of Taylor Mines, were week-end guests of E. A. Halle and family, of this place.

A revival is in progress at Concord Baptist Church. The preaching is by the pastor, Rev. Oscar Ashby, assisted by Rev. M. G. Snell.

The McGrady school has a good enrollment this year. Miss Cliffe Austin is teaching.

Rev. Wilbert Halle, of Olaton, visited in this vicinity from Saturday until Monday conducting song and prayer services and attending the Concord meeting.

E. A. Halle, of Williams' Mines, Mandie Travis and Delmer W. Halle, of McGrady and W. E. Halle, of Olaton, visited Henry M. Ashby, of Hartford R. 2, Sunday evening and had a prayer meeting. Mr. Ashby has been an invalid six years. He was baptized in sheep some years ago by Rev. W. J. Miller.

Three cheers for the Hartford Herald and the grand improvements and interest its management has undertaken in giving Ohio County a modern newspaper.

HORTON

Sept. 5.—Mrs. Edward Austin, of Nebraska, and Miss Ruth Stevens, of Beaver Dam, visited Mrs. Leona Smith, recently.

Mr. Addison Williams, of Rockport, is the guest of her grandmother, this week.

Miss Lucy Smith, of Horton, spent the week-end with her sister, Mrs. Asa Woosley, of Caneyville.

Mr. and Mrs. M. H. Thomson and little daughter, Marguerite Harris, of Horton, spent the week-end with Mrs. Thomson's parents, Mr. and Mrs. A. W. Alford, of Rosine.

Mr. Henry Wright, of McHenry, spent the week-end with friends and relatives.

Miss Pauline Rock, of Ricketts, spent Saturday night and Sunday with Josephine Thomson, of this place.

FOR SALE—House and lot on Mulberry Street, Hartford, two stories, 7-rooms; convenient, in good repair and can be had at a bargain. See W. J. BEAN,

35-3t Hartford, Ky.

CAPITOL CULLINGS

Washington, D. C., Sept. 9.—The slush-fund collectors of the Republican National Committee are having rough sledding these days, meeting with rebuffs from sources never known to wince in the past when called on to yield up the dues. Milton E. Alles, the treasurer of the Committee, is president of the Riggs National Bank of Washington, which is the representative here of the National City Bank of New York, which of course means that it is one of the numerous tentacles of that great financial octopus, J. P. Morgan and Co. Hench, Mr. Alles is in a pretty direct sense Mr. Morgan's representative. He was selected because all of Big Business would recognize his signature as implying a suggestion that "you had better come across if you want to maintain yourself in good standing with the head of the Money-bund of America." The principle of implied suggestion is well understood in the Republican National Committee—in fact, it was recognized long before Roosevelt wrote that famous letter to Harriman in which he said: "You and I are both practical men." That delicate expression yielded \$210,000 in cash. But these diplomatic maneuvers don't always bring the cash—there is a revolt on. One of the most interesting evidences consists of the letter written to Mr. Alles the other day by Colonel Charles M. Warner, president of the Warner Sugar Refining Company, and of the Warner-Quinalan Company, a man who is well past 75 years old and who has voted the Republican ticket all of his life. A careful examination of his letter fails to disclose any intimation that he intends voting that ticket this year. He says:

"My Dear Mr. Alles: I have your

letter of Aug. 9, in which you ask

my co-operation to secure the elec-

tion of a Republican Congress in

November. I have voted the Repub-

lican ticket for fifty-five years and

have made contributions whenever

requested by the Republican party.

"You ask me if I have observed

that the Democrats true to form, are

basing their hopes on 'discontent'

and 'dissatisfaction.' Haven't they

a right to feel discontented and dis-

satisfied?

"What has the Republican Con-

gress done to cheapen the cost of

living? What pledge has it redeem-

ed?

"You are trying to bring the cost

of labor down, but how can you ex-

pect to accomplish this and satisfy

the workingman if you keep the cost

of living up? You may think I talk

this way because I am President of

one of the largest independent cane

sugar refining companies. I plead

'guilty.' My company is anxious to

serve the consumer of sugar with a

cheap article. I am discontented

and dissatisfied in seeing a little

clique in Congress passing a tariff

wholly unnecessary, having no other

purpose than to make the public

pay, and for no other reason than to

let certain interests fatten at the

public expense.

"I think the people are disgusted

with the present performances of the

Republican party, as exemplified by

its Administration, and the only way

these Republicans, who are now

drunk with power, can be disciplined

is to elect Democratic Congressman

to office."

At Washington it is assumed that

a letter such as was addressed to Mr.

Warner is not sent on its way before

having been approved by the "best

minds" among the Republican man-

agers. It would therefore appear as

if the party, as at present controlled,

intends to renominate President

Harding two years hence, although

at the National Capitol much con-

cern is felt over whether he can win

if made the standard-bearer again.

This concern finds expression in the

statement to Mr. Warner that if a

Democratic Congress is elected this

fall it will be hailed as a "forerun-

er" of his (Harding's) defeat two

years hence.

The Honorable Perry W. Howard,

a colored mother from Mississippi,

is holding an appointment as Assis-

tant to the Attorney General at a sal-

ary of \$5,000 per year, but the busi-

ness of prosecuting illegal trusts and

monopolies is so slack that his ser-

vices are not needed at the Depart-

ment of Justice. Hence, with a fine

consideration for the real needs of a

hard-pressed party, the Attorney

General has loaned Mr. Howard to

the Republican National Committee

for the purpose of going through

Ohio and Indiana seeking to line up

the negro vote. Increasing education

and developing thinking power are

steadily removing the negro vote

from its former status as a chattel of

the Republican party. More and

more the colored brother is becoming

independent in thought and action.

**COOPER BROS'
Fall Showing
of
MILLINERY**

Will be on display any time you wish to see it. Don't fail to see our large and complete line of Millinery. It's open for your inspection, and if you want any information in regard to Millinery, Miss Mary Beeler, who is capable and always glad to help you, will show you through.

The Hartford Herald

Issued every Wednesday by
HARTFORD HERALD PUB. CO.
Incorporated

McDOWELL A. FOGLE,
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LYMAN G. BARRETT,
Sec'y-Treas., and Managing Editor

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matter of the second class.

SUBSCRIPTION RATES
ONE YEAR \$1.50
SIX MONTHS80
THREE MONTHS45
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Local Advertising, 10¢ per line for
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Telephones
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Cumberland Long Distance
Cards of Thanks, Resolutions of
Respect, Obituaries and Obituary
Poetry, 1 cent per word. Headlines
and signatures 6 cents each.

Notices of Church Services Free

WEDNESDAY, SEPT. 13, 1922

THE CONTEST

The Herald's Subscription Con-
test, which had been in progress for
the last seven weeks, came to a
close Saturday night. It was an un-
qualified success from our point of
view, having resulted in a most sub-
stantial addition to our subscription
list. We trust and believe it proved
or will prove equally satisfactory to
our patrons and as nearly so as the
nature of the case would permit, to
the contestants. To the latter, who
have worked so faithfully, to our
subscribers, both old and new, to
the contest judges, in fact all who
contributed to the success of the
enterprise, we extend our most sincere
and appreciative thanks.

But especially do we wish to take
this opportunity of expressing pub-
licly our appreciation of the services
of the Reliance Circulation Co., of
Duluth, Minn., which under the di-
rect supervision of its head, Mr. W.
J. Duffy, conducted the contest for
us. We are entirely pleased with
the methods used and the results se-
cured by Mr. Duffy. We found him
an efficient business man, an expert
in his line and withal a gentleman.
We take pleasure in recommending
him and his company to any pub-
lisher wishing to attain real results
in the way of circulation building.
Indeed we hope we may be able to
further avail ourselves of his services.

Again, in the manner of "K. C.
B." we would say to our friends,
one and all: "We thank you."

MAXWELL

Sept. 8.—Farmers of this vicinity
are very busy cutting tobacco.

Mr. Bryant Wright and wife, of
Virginia, were called to the bedside
of the former's mother, Mrs. D. W.
Wright, who has been seriously ill
of typhoid.

Quite a number of people from
this place attended the funeral of
Mrs. G. S. Holbrook at Mt. Carmel,
Monday afternoon.

Mr. Gentry Nance left Tuesday
for Herkinton, Ill.

Mr. Ion Crowe, wife and two
children, of Central City, were
guests of relatives at this place,
Wednesday.

Miss Iola Crowe, of Owensboro,
who has been visiting relatives in
this vicinity for the past two weeks
returned to her home, Sunday.

Mr. Hubert Wright, who was called
home on account of the serious
illness of his mother, left for his
home in Oklahoma City, Friday.

Mr. Herman Bar went to Owens-
boro, Tuesday.

LOST WITHOLD HERALD

Rosine, Ky., Sept. 5, 1922
Editor Herald,
Hartford, Ky.
Dear Sir:—Four weeks ago today I
was at your office, paid up for my
paper and told you to stop it. But
we feel lost without it as I have taken
it for about eleven years. So if
you want to add my name to your
list.

J. W. THOMAS.

CARD OF THANKS

We wish to thank our many
friends for the kindness shown us
during the illness and death of our
dear mother, Mrs. Marie Wells.

THE FAMILY.

Tobacco Growers
of
Ohio County

JOHN W. BELL

Of PARIS, Ky.,

Will speak at the following places:

Maxwell, Wednesday, Sept. 13th, at 1:30 p. m.

Bell's Run, Wednesday, Sept. 13th, 7:00 p. m.

Magan, Thursday, Sept. 14th, 1:30 p. m.

Sulphur Springs, Thursday, Sept. 14th, 7:00 p. m.

Hartford, Friday, Sept. 15th, 1:30 p. m.

Matazas, Friday, Sept. 15th, 7:00 p. m.

Mr. Bell is a farmer from the Burley District, who is well informed on the tobacco situation. Come out and hear him.

T. H. BLACK, Chairman.

W. P. RHOADS, Secretary.

HOME COMING AND ROLL CALL

present at this Roll Call.

2:30—Talks by any one who may

wish to talk. This will be interest-
ing to all.

3:00 o'clock—A report of how
many have read the Bible through
since our last Roll Call. There were
36 who promised to read the Bible
through during the year. Their
names will be recorded separately.

A list of all former members who
are present will be made and form a
part of the Minutes.

The names of all who have attended
each of the home comings includ-
ing this meeting will be made and
included in the records of the day.

All members are expected to bring
dinner enough to provide for all who
come.

Make your arrangements to come,
and help to make this the greatest
Home Coming in the History of our
Church. Visitors welcome.

Fraternally,

JAKE WILSON, Church Clerk.

THIS WILL BE SEPTEMBER

17th, the Third Sunday in Septem-
ber. Come and enjoy the day with
us.

PROGRAM

Sunday School 9:45.

Song Service 10:45.

Preaching by Pastor, A. N. Morris,

11:00.

Dinner in the grove 12:00.

At this noon hour will be a fine
time to shake hands and meet mem-
bers old and young.

Roll call at 2:00.

Come and have your name record-
ed in the Church minutes as being

present at this Roll Call.



The approach of fall calls to mind the ne-
cessity of Clothes-Buying.

To all who would wear something New
and Smart at this auspicious Season,
we offer our entire resources of Mod-
els and Fabrics with the assurance
that you'll find in them the highest
dress ideals.

You'll look good in a Taylor Made Suit
and you'll feel good when you see
their values.

Carson & Co
Hartford, Ky.

FAIR WEEK SPECIALS!
Don't Miss Them
STAR THEATER
HARTFORD, KY

Thursday, Sept. 14th
"BEYOND PRICE"
Featuring Pearl White.
Also a two-reel Comedy.
These are Fox productions.

Friday, Sept. 15th
"THE EDGE OF YOUTH"
An All-Star Cast.
Also a Harold Lloyd Comedy.

Saturday, Sept. 16th
"QUEEN O' the TURF"
Featuring Brownie Vernon.

Mr. Movie Fan,

You've been sweating for genuine winners—sure-fire

You've Got One Here

"QUEEN O' the TURF"

Here's a turf drama that will knock the public for a gool,

With all the smash and tingle of the vividest melodrama, with all the thrill of
the race track on derby day, with all the hurrah of thousands of frenzied spec-
tators whooping it up in the towering stands as a field of thoroughbreds go clat-
tering down the home stretch, "Queen o' the Turf" is "THE GOODS."

For high-powered drama the big race scene is a whale and a knockout com-
bined. It has the color and dramatic smash of the memorable "Checkers"—the
great racing stage hit of the last decade.

The race scene has been voted a marvelous reproduction of a horse race by a
jury of the most noted turf authorities in the world, who sat in judgment of the
picture.

Cailloused as these experts are, they gave way to their enthusiasm by shouting
and applauding.

And there are any number of other big dramatic incidents. The desperate
flight by aeroplane of the heroine from her father's country estate to the side of
her wounded brother in a hospital.

Her break-neck dash in an automobile from the hospital to the race track
where she arrives in the nick of time to don her silks, climb into the saddle and
ride the most courageous race a girl ever rode.

The colorful and picturesque scenes preliminary to the big race. The confu-
sion of the betting ring, milling with bettors among whom thousands of dollars
change hands.

The weighing in of the jockeys—an engrossing glimpse of the "inside" of the
great racing plant.

The paddock where the sleek thoroughbreds are given the last minute touches
of preparation.

Marvelous shots of the towering grandstands packed to the bulging point with
excited humanity.

And then the RACE ITSELF and THE DEAD HEAT FINISH.

Boy, it's a baby do!

Thursday and Friday doors open 7:15. Show begins 7:45.

Two shows Saturday night. First show, doors open 6:45, show begins 7:15
Second show begins 9:00.

Admission to each show 20c.

Fall

Millinery



The most complete line of Fall Millinery that it has been our fortune to collect in years is now on display—charming in style, perfect in workmanship, designed in such a wonderful manner that would please the most scrutinizing, critical buyer. Call and see them. We want you pleased. A satisfied customer is our best advertisement. Mrs. McGrayel, an expert in "hatsography" is in charge of this department.

Coats and Coat Suits

SUITS AND COAT SUITS

Why yes, a magnificent display. Come in all the new waves and autumn shades. One piece Dresses \$7.50 to \$35.00 Coat Suits \$12.50 to \$45.00 Ladies' Coats \$7.50, \$12.50, \$18.00 to \$50.00 Glad to see you whether you purchase or not. Competent, courteous salespeople to suggest or help you in any way possible.

PAIR & CO.
THE FAIR DEALERS

TAXI SERVICE

Call Home Phone 61 for dependable taxi service anywhere, anytime.

For night service call 82.

J. GLENN BARNES,

Hartford, Ky.

34-4t

Mrs. R. E. Duke is at Cromwell, at the bedside of her mother, Mrs. B. W. Stewart, who is very ill.

Mrs. E. S. Howard, city, has accepted a position in the office of County Superintendent, Mrs. I. S. Mason.

Miss Mary Woerner, city, was the guest of Mr. and Mrs. Robert Lauterwasser, Hartford R. 1, Wednesday.

Ohio County Fair, Sept. 14-15-16, 1922.

33-4t

Everybody will be at the ball games Thursday, Friday and Saturday. The K & I Team is the best that Louisville has.

EXTRA—Long and Brotten from the Louisville Colonels are scheduled for Hartford's battery Saturday. Don't fail to see them work.

Best quality Rye and Timothy seed. Turnip seed "dark." W. E. ELLIS & CO., Hartford, Ky.

36tf

Ohio County Fair is bigger and better than ever before, this year.

36-2t

The best yet. K & I vs. Hartford. Don't forget the dates, Thursday, Friday and Saturday this week.

666 quickly relieves Colds, Constipation, Biliousness and Headaches, A Fine Tonic.

21-20t

Taylor, Rogers, Monroe, Frischeye will be on the Hartford line-up. Come out and watch them work.

Give us your co-operation and let's make Ohio County Fair the best in the State.

36-2t

Anyone desiring fruit trees call on J. R. HERREL, Morgantown, Ky.

31-8t

Your last chance to see some good ball games. The wonderful Meeks is scheduled to pitch one game for K & I.

LOST—Dark red cow, dehorned with right horn showing slightly.

GEORGE FLATT,

McHenry, Ky.

Come to Ohio County Fair Sept. 14-15-16, 1922. Meet your friends talk over old times. They will enjoy talking with you, we learn and swell the attendance.

36-2t

36-2t Hartford Herald, \$1.50 the year

Mr. and Mrs. Joe C. Bennett, city, are attending the State Fair this week.

Mr. H. B. Martin, of Centertown, was a pleasant caller at this office Saturday.

Mrs. Charlotte Taylor is critically ill of heart trouble at her home on Walnut Street.

Mr. Emory Schroeter, of this city, has opened a photographic studio at Central City.

Mrs. W. H. Barnes has about recovered from a severe attack of acute indigestion.

Miss Margaret Williamson, of Centertown, was the week-end guest of Miss Amelia Pirtle.

Mr. V. A. Matthews, of Fordsville, was in Hartford yesterday on business and made us a welcome call.

Senator Albert Leach, of Beaver Dam, was in this city on business yesterday and paid us an appreciated call.

Dr. J. E. Phile and Editor W. S. Tinsley spent from Friday until yesterday fishing and hunting on lower Rough River.

Mrs. Katherine McGrayel, of Cincinnati, has returned to Hartford and resumed her position as milliner for Fair & Co.

Judge and Mrs. W. H. Barnes, and son, Glenn; Mrs. Anna J. Bennett and little son, Charles Ross, motored over to Owensboro Wednesday.

Mr. and Mrs. Ernest Kendall and children, J. L., Herschel and Clyde, Miss Connie Ralph, Miss Clara Taylor, Mr. and Mrs. Short Burgess, of the Boda vicinity, have returned from a visit to Mammoth Cave.

Mr. Harry N. Bennett, of Beaumont, Texas, arrived Friday night to be the guest of his parents, Mr. and Mrs. James C. Bennett, city, for about two weeks. He made welcome calls at this office Saturday and Monday. Young Mr. Bennett has a lucrative position with the Southwestern Bell Telephone Co. in the Texas city.

Rev. and Mrs. R. A. Karaker, of Batavia, Iowa, arrived in Hartford to spend some time as the guests of Mr. Karaker's brothers, Mrs. A. C. and L. C. Acton, and sisters, Madames M. T. Likens and Jesse Honer. Rev. Karaker, who is pastor of the Christian Church of Batavia, preached at the local Christian Church Sunday morning.

Mr. J. Ney Foster, formerly Editor of the Hartford Republican, but now connected with the Standard Oil Co., at Dermott, Ark., arrived in this city early last week. He visited friends and relatives here and in the No Creek community until Friday when he left for his home. He was a welcome visitor at this office during his stay in town. Mrs. Foster and children, whom Mr. Foster had left in Indianapolis visiting his mother, arrived Saturday to visit her father, Mr. Cal P. Keown.

No advance in price of admission for the Big Fair Week Specials at Star Theater, Hartford, Ky. Don't miss them, Thursday, Friday and Saturday nights.

FOR SALE—One good farm and buggy horse, 6 years old. Price right. JAMES A. TATE, 36tf Hartford, Ky.

A roaring avalanche of thrills that sweeps on to a smashing climax in the greatest horse race ever staged. "Queen O' The Turf," Star Theatre, Saturday night.

LOST—Bunch of Keys on Beaver Dam and Horton road, near Iron bridge. \$5.00 reward. Notify H. J. BOYD, 25-3t Martwick, Ky.

Mr. O. R. Tinsley, of Route 5, has been appointed as an assistant at the State Fair, and went to Louisville Sunday preparatory to assuming his duties. He was accompanied by his son, Kenneth.

The people of Hartford, and all of Ohio County are interested in the Fair at Hartford, Ky., Sept. 14-15-16, 1922. It is the Ohio County Fair. The people's Fair. It takes the people to make the Fair. Come and enjoy talking with you, we learn and swell the attendance.

36-2t

Mr. and Mrs. L. B. Crowe and daughter, Mae, and son, Wendell, of Central City, spent Wednesday night in this city, as guests of Mr. Crowe's sister, Mrs. L. S. Mason and Mr. Mason.

FOR SALE—House and lot in Hartford, well located and in good condition. Good water and plenty of outbuildings.

37-4t WAYNE LEACH. Attorneys C. E. Smith and Otto C. Martin, accompanied by Misses Mildred Stevenson and Edna Hudson, stenographers, and J. Glenn Barnes, spent Thursday in Rockport, on legal business.

Mr. L. M. Render and family, after spending several days in Hartford, the guests of Mr. Render's parents, Mr. and Mrs. W. B. Render and other relatives, have returned to their home in Louisville.

Ohio County Fair, Hartford, Ky., Sept. 14-15-16, 1922. The management has left nothing undone to make this the greatest fair ever held in Hartford. Come and spend a day pleasantly.

The person who took my ladder away from the Commercial Hotel had better bring it back if he don't want to be arrested.

ISAAC FOSTER, 36-2t Hartford, Ky.

Mr. and Mrs. Harrison T. Leach and little son, Frederick Keith, returned last week to their home at Tonkawa, Okla., after having spent the summer with J. N. Leach and family, of Beaver Dam, Route 3.

Mr. E. P. Forman left, yesterday for Ashley, Ill., where he will assist his daughter, Mrs. Randall Watson, and Mr. Watson in preparing their household goods preparatory to their moving to Steubenville, Ohio.

Specials at the Star Theater Thursday, Friday and Saturday nights, but the Grand Climax comes Saturday night with "QUEEN O' THE TURF," the most marvelous reproduction of a horse race ever screened. See display ad.

Rev. and Mrs. R. A. Karaker, of Batavia, Iowa, arrived in Hartford to spend some time as the guests of Mr. Karaker's brothers, Mrs. A. C. and L. C. Acton, and sisters, Madames M. T. Likens and Jesse Honer. Rev. Karaker, who is pastor of the Christian Church of Batavia, preached at the local Christian Church Sunday morning.

Mr. Rowan Holbrook, Secretary-Treasurer of the Wayland Alexander Memorial Fund, advises us that the campaign to raise funds to erect a fitting memorial in Oakwood Cemetery to the late Dr. Alexander is being actively pushed. All of his friends and former students are asked to contribute. A complete list of contributors contributed by each will be published in the next issue of the Herald.

The Ideal Theater

Beaver Dam, Ky.

The place that everybody is talking about, and where everybody goes and takes his wife and family, sweetheart, or highly prized friend to have a really good time and see the very best picture on the screen— is going to give you for

Thursday, Sept. 14th

The last—Zane Grey—that it has been able to buy

"RIDERS OF THE DAWN"

This is a Photoplay of that gripping novel of the North-west.

"The Desert of Wheat"

and is said by its producer.

BENJAMIN B. HAMPTON

"No Defense"

of Maryland,"

Rider of

Dawn,"

Rider of

Pictures,"

Rider of

Books,"

Rider of

Magazines,"

Rider of

Periodicals,"

Rider of

Books,"

Rider of

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RADIO

HOW TO CONSTRUCT SIMPLE RADIO SETS

Materials That Are Necessary and Method of Assembling and Mounting Them.

For those who would like to construct a simple nonregenerative vacuum tube receiver, the details of several sets will be given, before taking up the explanation of the vacuum

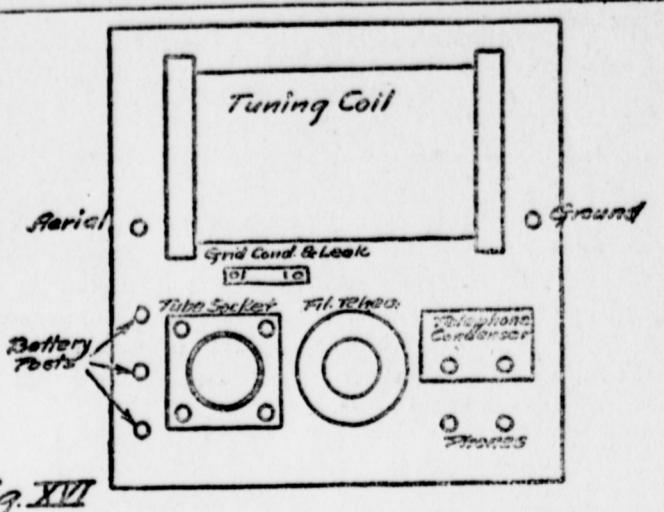


Fig. XVII

tube as an amplifier. The circuits which will be described depend upon the vacuum tube for a detector or as a rectifier not having the additional function of an oscillator.

The first set described will be that of a tuning coil mounted on a horizontal base board. The following material is necessary for its construction:

The Tuning Coil.

A piece of cardboard tubing, outside diameter, three inches, and five inches long. It will cost about 10 cents.

One hundred feet of No. 22 DCC magnet wire. Cost about 25 cents.

One standard slider to fit $\frac{1}{4}$ by $\frac{1}{4}$ -inch brass rod. Cost about 40 cents.

A six-inch length of $\frac{1}{4}$ by $\frac{1}{4}$ -inch square brass rod. Cost about 20 cents.

Two circular blocks of wood, whose diameter is just equal to the inside

square blocks and then shellac or varnish them for appearance' sake.

When thoroughly dry slip the two end blocks into the wound tube and by means of a few finishing brads driven through the crooked tube fasten the end blocks to the wound tube.

The slider is to be mounted on top of the coil and should be capable of making contact with any turn of the wire on the tube. In order to remove the insulation from the wire, just under the rod where the slider moves back and forth wrap a piece of sandpaper around a thin piece of wood and, using another piece of wood as a guide, sandpaper the insulation from the winding.

Drill a hole one-eighth inch in diameter through the slider rod about

one-fourth inch from each end so that the rod is fastened in place; see that the contact finger on the bottom of the slider can at all times make good contact with the windings. Mount a binding post on either end of the coil, attaching one by means of a wire to the slider rod and the other to the end of the wire wound on the tube, and the tuning coil is complete.

Mounting the Set on Base Board.

It is only necessary now to mount the component parts on the base board and connect them up.

Fig. 16 shows the relative positions of the instrument mounted on an eight-inch square base board, with the actual wiring diagram. Fig. 17 shows a schematic diagram of the wiring of the same set.

One-fourth inch in from each end so that the rod is fastened in place; see that the contact finger on the bottom of the slider can at all times make good contact with the windings. Mount a binding post on either end of the coil, attaching one by means of a wire to the slider rod and the other to the end of the wire wound on the tube, and the tuning coil is complete.

Disillusionment.

Into the restaurant she came, with the air of a princess, a truly regal figure clad in brown from top to toe, and looking as if she had just visited a Parisian modiste and a beauty parlor—a perfectly groomed, handsome woman.

There was an air of refinement about her. She looked expensively turned out in the simple, deceptive way.

She seated herself at a table and there were little exclamations of admiration and envy from other diners near.

A waitress approached. Every one hushed to listen to the beautiful creature speak.

In a high-pitched voice she ordered: "Bring me an onion omelet."

It was brought and she ate it with her spoon!

Oldest Known Paint.

White lead is the very oldest light-colored paint of which anything is known.

It was mentioned by the Greek general, Xenophon, who wrote some 400 years B. C. It was made by putting vinegar in a jar and some twigs to support the layers of lead above the vinegar. After the lead was placed on the twigs the jar was covered to keep out the dirt and buried in stable manure. The manure fermented, produced a gentle heat and also carbonic acid gas.

When the jar was opened after a considerable period the lead would be corroded under the influence of the heat and gas. Thus a large proportion of the lead would be changed into a fine white powder which would be purified and used as a pigment for paint.

"Charge of the Light Brigade."

The charge of the light cavalry at the battle of Balaclava in 1854 during the Crimean war, and celebrated in Tennyson's great poem, "The Charge of the Light Brigade," was one of the most noted military actions of modern times.

It was the result of a serious blunder on the part of the British cavalry.

Educational experts say that radio will prove of great assistance in the development of the minds of abnormal children.

The great obstacle in their education has been inability to arouse interest. It is believed that radio will greatly stimulate such interest.

And now it is the dentists who are profiting by radio. It is a great advantage to keep the mind of a patient off his troubles. When a radio ear-piece is clamped on, what registers on the ears of the sufferer makes him more or less indifferent to what is going on in his mouth.

Great possibilities for the soothsaying talker.

The combined cost of all these stations will be about \$5,000,000. The main station will consist of a transmitter and receiver terminal thirty miles apart, the latter including twenty-four towers each 800 feet high spread over a square mile.

The wireless rates will be one-third less than the present cable rates to Europe.

The charge of the Light Brigade.

The word was originally a "jump," and is first met in 1615, as a "jacket or loose coat reaching to the thighs."

The dainty feminine garment of today owes its parentage to the shapeless garment of coarse sacking sometimes worn by coal heavers or dock laborers.

For this was the original "jump," essentially a male garment of the most primitive type.

Indeed, one Polar expedition records that it found the Eskimos wearing these "jumps" or loose jackets.

In the seventeen hundreds "jumps" became feminine, in the form of a kind of loose stays, chiefly worn as a sort of undress.

Then, in the eighteen hundreds, the admiralty took notice of the word as a "jumper."

It is officially mentioned as one of the new "rigs" of the lower deck.

From this curious ancestry has evolved the jumper of the girls of today.

Five binding posts.

This set requires, of course, an "A" battery to light the vacuum tube filament and a "B" battery to furnish the plate potential. The "A" battery should be a six-volt storage battery of not less than 20 ampere hours' capacity.

One 22½-volt "B" battery unit is necessary for a source of plate potential.

Assembling the Coil.

Starting one-half inch from one end of the cardboard tube, wind on the No. 22 DCC wire until within one-half inch of the other end of the tube.

Fasten one end of the winding to the tube, but allow some surplus wire on the other end for making a connection. After the winding is in place apply a thin coat of orange shellac to hold the turns in place.

Assemble the circular-cut pieces of wood in the geometric center of

HORSE "CEMETERY" IN EGYPT

American Expedition Has Unearthed Graves of Steeds That Once Bore Proud Royalty.

Objects unearthed at El-Kur'u, on the Upper Nile, by the Harvard university, Museum of Fine Arts expedition shed new light on the early history of Ethiopia, the tombs of all the kings from 750 B. C. to 250 B. C. having been recovered.

It is known that King Plankhy was a great connoisseur of horses. In his account of his besieging the Egyptian city of Eshmun he tells of his anger at finding the horses of King Namlat starved thin as a result of the siege. Hence it is reasonably conjectured that Plankhy started a cemetery of horse graves which was found at El-Kur'u—the only burying ground of its kind that has been discovered in the Nile valley. Here, in four rows, are the graves of the steeds of several monarchs. They have been plundered, but not so thoroughly as to prevent finding some of the trappings; a plume carrier, a silver head band, four strings of very large bronze balls, beads, amulets and other objects.

These horses were manifestly sacrificed at the funeral of the king in order that their spirits might accompany him into the other world. The sacrifice of men and animals at funerals is now well established as an ancient Ethiopian custom by excavations in Kerm. But the sacrifice of horses was a thousand years before the beginning of the Ethiopian monarchy, and in all the royal tombs of Napata no other survival of the custom was detected.

WON FAME AS SEA FIGHTER

Scandinavian Hero Also the Center of Many Legends That Have Endured Him to Posterity.

One of the great Scandinavian heroes of modern times was Tordenskjold, who rose from the rank of naval cadet to admiral in eight years, and died at the age of thirty, and is accounted today as a naval strategist of the first order. It was Tordenskjold who, by his operations against Charles XII of Sweden, preserved the freedom of his native Norway and saved the integrity of Denmark.

All his experiences were exceedingly colorful and picturesque, so much so, indeed, that legend has been busy in providing him with an array of adventures which undoubtedly never happened. One of these is the story that, when a boy, he sat down on a grindstone to wear out the leather patches which had been put on the seat of his trousers as a punishment for tearing his clothes. Once he pursued a frigate much larger than his own until his ammunition gave out. He sent word to the enemy, inviting the commander to come aboard for a glass of wine and asking whether he would lend some powder to continue the fight. It was this sort of bravado which his age delighted in. He was killed in a duel in 1720.

Disillusionment.

Into the restaurant she came, with the air of a princess, a truly regal figure clad in brown from top to toe, and looking as if she had just visited a Parisian modiste and a beauty parlor—a perfectly groomed, handsome woman.

There was an air of refinement about her. She looked expensively turned out in the simple, deceptive way.

She seated herself at a table and there were little exclamations of admiration and envy from other diners near.

A waitress approached. Every one hushed to listen to the beautiful creature speak.

In a high-pitched voice she ordered: "Bring me an onion omelet."

It was brought and she ate it with her spoon!

Oldest Known Paint.

White lead is the very oldest light-colored paint of which anything is known.

It was mentioned by the Greek general, Xenophon, who wrote some 400 years B. C. It was made by putting vinegar in a jar and some twigs to support the layers of lead above the vinegar. After the lead was placed on the twigs the jar was covered to keep out the dirt and buried in stable manure. The manure fermented, produced a gentle heat and also carbonic acid gas.

When the jar was opened after a considerable period the lead would be corroded under the influence of the heat and gas. Thus a large proportion of the lead would be changed into a fine white powder which would be purified and used as a pigment for paint.

"Charge of the Light Brigade."

The charge of the light cavalry at the battle of Balaclava in 1854 during the Crimean war, and celebrated in Tennyson's great poem, "The Charge of the Light Brigade," was one of the most noted military actions of modern times.

It was the result of a serious blunder on the part of the British cavalry.

Educational experts say that radio will prove of great assistance in the development of the minds of abnormal children.

The great obstacle in their education has been inability to arouse interest. It is believed that radio will greatly stimulate such interest.

And now it is the dentists who are profiting by radio. It is a great advantage to keep the mind of a patient off his troubles.

When a radio ear-piece is clamped on, what registers on the ears of the sufferer makes him more or less indifferent to what is going on in his mouth.

Great possibilities for the soothsaying talker.

The wireless rates will be one-third less than the present cable rates to Europe.

The charge of the Light Brigade.

The word was originally a "jump," and is first met in 1615, as a "jacket or loose coat reaching to the thighs."

The dainty feminine garment of today owes its parentage to the shapeless garment of coarse sacking sometimes worn by coal heavers or dock laborers.

For this was the original "jump," essentially a male garment of the most primitive type.

Indeed, one Polar expedition records that it found the Eskimos wearing these "jumps" or loose jackets.

In the seventeen hundreds "jumps" became feminine, in the form of a kind of loose stays, chiefly worn as a sort of undress.

Then, in the eighteen hundreds, the admiralty took notice of the word as a "jumper."

It is officially mentioned as one of the new "rigs" of the lower deck.

From this curious ancestry has evolved the jumper of the girls of today.

HELP THE OLD FOLKS

A Helping Hand Extended to Many Old People in Hartford

The infirmities of age are many. Most old people have a bad back. The kidneys are often weak. Or worn out with years of work. Backache means days of misery. Urinary troubles, nights of unrest. Doan's Kidney Pills have helped to make life easier for many. They are doing so for old and young.

Hartford people are learning this. Read the following local endorsement.

L. P. Turner, retired farmer, Clay St., Hartford, says: "I am glad to recommend Doan's Kidney Pills, because they relieved me when my kidneys and back gave me trouble. I consider Doan's Kidney Pills a reliable kidney medicine and deserving of great praise." Statement given November 15, 1916.

On January 25, 1912 Mr. Turner said: "I have had no reason to change my mind about the reliability of Doan's Kidney Pills. They have practically cured me for I haven't needed them for a long time."

Price 60c, at all dealers. Don't simply ask for a kidney remedy—get Doan's Kidney Pills—the same that Mr. Turner had. Foster-Milburn Co., Mfgs., Buffalo, N. Y.

—Advertisement.

FRANKLIN KEPT HIS LAURELS

Appropriately, Apostle of Thrift Was Allowed to Retain Ornaments for Exceptional Time.

New York, the Sun of that city states, is one place where there are almost laurels enough to go around. It is the custom of the city to be generous with them, but they never last. Three days is about the limit.

That is, three days marks about the length of time when the crowd will endure the sight of them on the living. After that they view them with amusement. But when hung on a bronze or marble statue by common consent and the custom of the park department they are given thirty days.

Benjamin Franklin was permitted to keep his last crop of laurels longer than most statues. Although it was by reason of his very many illustrious qualities that his statue became a landmark in Park row, it was particularly because of his position as the patron saint of all those who hold "thrift" as a cardinal virtue that he was adorned some weeks ago with more wreaths than any Hawaiian ever managed to hang on himself.

He kept them, too, until they were of absolutely no more use. The day they were put up people traveled from all five boroughs to gaze at the bronze likeness of the publisher of "Poor Richard's Almanac"—that first of all the best sellers of America—and to consider their own sins or to contemplate their own virtues in the matter of thrift. But this week when they were cut down no one paid the slightest attention to the two "white wings" who were climbing about the pedestal jerking down the wreaths and sling them on the pavement.

GOT NAME FROM INDIAN CHIEF

How the City of Medicine Hat, in Canada, Acquired Its Decidedly Odd Cognomen.

Medicine Hat, the Canadian city which figures so prominently in weather reports, and which possesses undoubtedly one of the most extraordinary names of all the cities of the world, acquired its title from an old Blackfoot chief whose tepee stood on the site which is today the center of the city. He was chiefly celebrated for an amazing head-gear to which he attributed magical powers, and which he called his "medicine hat."

Good fortune was supposed to attend him whenever he wore it, whether at war or on the hunt.

Once a great battle was fought between the Blackfeet and the Crees on the site of the present city. The fight went against the Crees and, just as they prepared to leave the field, a strong gust of wind caught the "medicine hat," lifted it off the head of the chieftain and deposited it in the river.

MARTIN'S STRATEGY

By WINIFRED DUNBAR

Copyright, 1922, Western Newspaper Union.

"Martin, I'm in a sore peck of trouble!" spoke Robert Grant, leading man of Grafton.

"Sorry, judge. Can I help you out of it in any way?" questioned Martin Blake, one of the humble ones of the village.

"I'm afraid not," replied Mr. Grant in a really worried and mournful tone of voice. "I've put my foot in it bad and deep. I'd give a lot to get back on the solid rock. I declare, it's getting on my nerves and I dread seeing my wife!"

To have the judge almost make a confidant of him stunned Martin and raised his hopes vastly.

Those hopes of the ardent young man centered about the bonniest girl in Grafton—Jessie, the judge's only daughter. Martin loved her from the depths of his heart and Jessie as fervently returned the sentiment.

The sudden acquisition of quite a fortune from a relative had given the judge some new grand ideas. Martin was poor, Jessie was an heiress. The match was unequal. He cast about removing to a more aristocratic town. He cut quite a swath, he fancied, going with his family to a fashionable watering place.

He had just returned looking both and dismal.

"You see, it's all along of my wanting to get to a bigger town, Martin," somewhat sheepishly explained the judge. "When we started on our outing I gave orders to put up the old home here for sale."

"Yes, I heard of that," nodded Martin.

"I also gave my lawyer a power of attorney to act for me. Well, he has sold it."

"And I've got to talk out my misery to somebody. My wife made a terrible scene. I came on here because this Mr. Morgan was here today. I offered him back his money. I doubted it. No use. He said it was the ideal place he had been looking after for years and his wife and children were equally pleased with it. They're coming here tomorrow to look it over to plan some improvements."

"Judge," said Martin, "I see a way out of this."

"You do!" cried the judge eagerly. "Martin," he added, "there is not much I wouldn't do for you if you help me out of this awful dilemma," and he grasped the hand of the young man fervently.

"Judge, leave it all to me," said Martin grandly.

That afternoon Martin visited first an old colored man of numerous family at the edge of town.

When, the next morning, the new prospective residents arrived, they found Martin hustling about assuming the role of a person who had been deputized to overhaul the place.

"I declare! what is that horrible odor?" exclaimed Mrs. Morgan, as she entered the house.

Martin pointed to the plumber hammering at some pipes, mumbled something about "hunting for sewer gas," and hustled outside after whispering to the plumber "to use some more of that chemical."

A series of frightful screams soon issued from the cellar. Up the stairs came flying one of the misses of the family.

She was fairly hysterical, she nearly fainted away. Two snakes, a toad and some frogs had crossed her path in the cellar!

Next door to the Grant place was a small house that had been vacant for years. It was temporarily occupied that day, however. In fact, the artful Martin had especially hired Mr. Ephraim Brown, whitewasher, and his numerous family to take possession of the domicile.

Mrs. Morgan, inspecting the garden, came to a halt as an open space in the shrubbery showed the dividing fence. Beyond it a great washing flaunted from the clothesline. A fat mammy was hustling about, with one-half dozen piccadillies at her heels. Old Eph was splitting wood. On the fence sat four ebony cherubs eating bread and butter.

"For mercy's sake!" cried Mr. Morgan—"who are they?"

"Your neighbors," responded Martin glibly—"very well behaved people, too."

"But—black!" almost shrieked the sensitive lady and collapsed to a gar-den seat.

That settled it. Within the hour Mr. Morgan was down to the office of the lawyer. Willingly he canceled the contract of purchase and received back his forfeit money.

A telegram brought Mr. Grant to the village, jubilant and excited.

"You made it, didn't you?" he cried, slapping Martin on the shoulder in a truly fatherly way.

"Yes, sir," replied Martin modestly.

"Now then, what can I do for you in appreciation of your good endeavors?"

"Can't you guess?" queried Martin, looking the judge straight in the eyes. "I think I can," was the response, with a grim smile. "My big ideas have come down a peg, Martin, and so have I. You seem to know how to manage things. All right—you shall be my business agent."

"And Jessie?"

"Oh, of course she will want to be your partner!"

HOW

FAIRY COLORED CHECKS CAME TO POPULAR FAVOR.

—Sir Walter Scott's black-and-white tweed trousers figured in a paper dealing with the designing and coloring of Scotch tweeds read at a textile congress held at Hawick some time ago. The famous author was one of the earliest wearers of tweed, and the first pieces were made in the black-and-white design.

Colored checks were introduced by accident. A manufacturer had a number of pieces and the white was so impure and dirty-looking that they could not be sold. Then someone suggested that if the pieces were dyed brown the defect would be covered. The suggestion was acted upon and a new check of black and brown was the result.

The new color was sent to London and sold rapidly. It was a short step to dye black and green and black and blue, and to make broken checks, and the trade increased amazingly.

It was now possible for a lady to have a reversible skirt made up in such a way that she might appear at one time in a modest blue and at another in the tartan of her clan.

VICTIM OF OWN HANDIWORK

How Maker of Boston Stocks Came to Be First to Undergo the Punishment.

When Boston was a little Puritan village, the favorite mode of punishment for small misdemeanors was to place the culprit in the stocks. By a curious chance the first person to be so punished after the stocks were constructed was the carpenter who made them. The record relates that "Edward Palmer, for his extortion, taking 1 pound, 11 shillings, 7 pence for the plank and woodwork of Boston stocks, is fined 5 pounds and censured to be set an hour in the stocks."

They dealt in strange punitive measures in those days. It was the practice, in the case of persons guilty of "exorbitancy of the tongue in rayling and scolding," either to gag the offender or set him—more frequently her—in a ducking-stool to be dipped three times in some convenient pond. Another measure was to place the guilty party's tongue in a cleft stick, and in this manner to stand him up to the ridicule of the public.

How High Birds Fly.

Astronomical methods have been successfully applied to the solution of a mooted question as to the height of night flights of migrating birds. Two telescopes were placed at measured distances apart (from ten to twenty-one feet), on an east and west line, and with them two observers simultaneously watched the moon. The track of birds flying across the face of the moon were noted by each observer independently on a lunar chart, ready at his side. The tracks, being projected from separate points of observation, of course, were not identical in position and their distance apart furnished the basis for a calculation of the "parallax" of the flying birds. Two sets of observations in one case were made, in May and October. The deduced heights above the ground varied from 1,400 to 5,400 feet. The last, however, was an extreme case, most of the measures running from 1,500 to 2,500 or 3,000 feet.

How "Gophers" Are Classed.

The name "gopher," which is applied to quite a variety of creatures in various sections of the American continent, is a corruption of the French "gaufre," meaning a honeycomb. It was applied by the early French settlers to a number of burrowing animals from their habit of honeycombing the earth.

In Canada and Illinois the name is today applied to the gray burrowing squirrel and in Wisconsin to the gray striped squirrel which, in this section, is called a chipmunk. In Missouri a gopher is a brown pouched rat. In Georgia he is a snake, and in Florida he is a turtle. Minnesota is called the Gopher state from the fact that the striped squirrel was formerly found there in great numbers.

How "Gophers" Are Classed.

A special machine, which is intended for cutting out the mortar between bricks, is described with illustration in a late issue of Popular Mechanics Magazine. It consists of a small wheel which is operated at 3,500 revolutions per minute by a flexible shaft from a one-fourth horsepower electric motor. A case, partly covering the wheel, extends down to form a handle, and a safety guard is provided to protect the operator's hands from flying bits of mortar. Wheels of various thicknesses are supplied so that they may be changed to fit layers of mortar of different width.

How Machine Cuts Mortar.

A special machine, which is intended for cutting out the mortar between bricks, is described with illustration in a late issue of Popular Mechanics Magazine. It consists of a small wheel which is operated at 3,500 revolutions per minute by a flexible shaft from a one-fourth horsepower electric motor. A case, partly covering the wheel, extends down to form a handle, and a safety guard is provided to protect the operator's hands from flying bits of mortar. Wheels of various thicknesses are supplied so that they may be changed to fit layers of mortar of different width.

How to Solder Aluminum.

To solder aluminum, first make a soldering bit from a piece of 3/4 inches round or square aluminum. Next, the parts to be soldered with a composition of 81 per cent tin, 16 per cent aluminum, and 3 per cent copper.

After the copper has fused, the aluminum should be added little by little, stirring the mixture thoroughly all the time. The tin and a small portion of tallow should be added. Do not overheat the composition.—Popular Science Monthly.

Delusive Dainties

By REV. H. OSTROM, D. D.

Extension Department, Moody Bible Institute, Chicago.

TEXT—Let me not eat of their dainties.—Psalm 41:4.

If the workers of iniquity mentioned in the earlier part of this verse have been driven through necessity to a diet of black bread, then I may readily pass by their table when I can find better fare. Have they discovered that there is poison mixed with their lentils? Then, I am glad to answer soon enough that I do not partake.

But dainties?

This is different. Quite likely it is better than the fare to which I am accustomed. To refuse to eat is to reject something pleasant.

And so it is; the line must be drawn between the pleasant, but harmful; and the less pleasant, but holy. The Christian is saved by one and he follows One whose ways fit exactly into this portion of Scripture, for he forfeited the sweet morsels and the elaborate banquets, and accepted the hunger and thirst by the way, leading to the cross.

There are other dainties upon which one may feed besides those which are pleasant to the appetite. Dainties of landscape, dainties of apparel, dainties of literature, dainties of above. Not many people possess all of these at once and few people possess many of them. But Christian people have not the crists in which they have settled that there are things they are willing to do without. Not only that they have duly considered things they would prefer to do without because over against them is something of greater worth than they all. Happy the man who has fully decided that Lazarus at the gate is richer than the man who fares sumptuously every day.

Lazarus has tomorrow stored away in the safety-deposit box of the grace of God, but for the man at whose gate he lies, tomorrow spells everlasting bankruptcy.

The children of Israel "went after the nations that were round about them, concerning whom the Lord had charged them that they should not do like them." (II Kings 17:15.)

The Prophet Amos pictures them as a people who "abound in superfluities."

Thus they claimed these cheap and perishing things while they turned from the sure covenant and the unfailing providence of God. Through the eye they saw and through the ear they heard and through the lusts of the flesh they went after the delusive sights and sounds and deeds exemplified by the idol worshippers in their neighborhood. We must guard against the same sinful tendency today. Since our Lord Jesus Christ paid the entire debt and we receive His grace without money and without price, we must consider that He does not save us that we may lightly regard His will.

Make of it what we may, the Christian is a pilgrim and a stranger on the earth, a pilgrim journeying home and a stranger on a sphere where his Lord was crucified. There is a vast difference between our living in the neighborhood and our allowing the neighborhood to live its God-defying program in our souls.

What are these dainties when carefully examined? Men risk all for them, but the ardent quest is a delusion. Do they imply indulgence of appetite? What if with it is the sure loss of physical health? Is it that one hungers for fame? What if with it the ambition for distinction comes also the betrayal of the most enthusiastic flatterer of all those who urged us on? Did you pay all for beauty? And did you with it become possessed of the virus of incurable disease? But these are only illustrations of the fact that the many dainties of the wicked have fellowships from which they never permanently part company. Happy the day when a man draws the dividing line between good and bad with flaming fire so that to go down to the bad means to him that he would have to pass through the flame.

It is great to step over the line that divides between things and Jesus. Just to see Him with the eyes of the heart until the glory of His face shines upon the things men consider dainties and reveals how easily they decay or how quickly they leave us; or how great are the losses they bring with them. But do not begin by trying to cross that line. Begin by receiving Jesus Christ. This moment it may be forbidden dainties, but the next it is, Jesus saves. The forbidden dainties will claim you until you receive Him. What you may have seen all attractive until He is yours.

But I have dainties of which the workers of iniquity cannot partake. Have you never partaken of them? Then come to the feast. They will appear at their full value one day when we who are in bodies of humiliation now, shall find "mortality swallowed up of life." There is the grace of God for us. No earthly field yields it. It brings all the bounty: Love, joy, peace, long suffering, goodness, fidelity, meekness, temperance! Such dainties! Come to the feast. Drop your loaded basket as if enroute to a picnic, for here "there is enough and to spare." What you can bring will perish; what God provides never fails.

—Professor Trocillo, surgeon commander in the Italian navy and lecturer on nervous diseases in the University of Rome, reports great success in treating epilepsy with tetraborate of boron and potassium. In eight cases in an asylum four patients ceased to have attacks, while the other four were so far improved that they behaved better and were less violent.

HOW

ULTRA-MICROBES MAY BE USED TO FIGHT DISEASE.

—In the great realm of Nature every creature preys upon its fellows. Even microbes, the tiniest living things that the most powerful microscope enables us to see, are, for their size, as voracious as the most savage lions.

And now comes an amazing discovery made at the famous Pasteur Institute in Paris. Microbes themselves are attacked, weakened, and finally killed by creatures so vastly smaller than their own minute bodies that we can never hope to see them, however much the microscope is developed.

These creatures—ultra-microbes—can be isolated, bred, and strengthened until they are ready to fall like an avenging host upon the germs of disease. Once research has enabled us to enlist as allies the teening battalions of these tiny friends, we shall be able to wage a relentless war on sickness.

When, for instance, we are able to turn loose the ultra-microbe of typhoid fever into suspected water supplies, one of our worst scourges will become a thing of the past.

IS PROTECTED BY NATURE

How the Bubble Bug of British Guiana Is Enabled to Defy Its Many Enemies.

The bubble bug, a native of British Guiana, is quite as interesting as its name suggests. When the insect is immature, we learn from Mr. William Beebe in the Atlantic Monthly, it wraps itself for safety in a kind of froth of small bubbles.

When the bug has formed a large drop of a clear liquid it forces it into the air as a bubble and then forces out an imponderable amount of oil or dissolved wax and mixes it with the clear liquid; that toughens the bubbles, which continue to pile up until the insect is buried deep.

To penetrate the mass is an unpleasant achievement for small marmots. I have draped a big pile of bubbles, says Mr. Beebe, round the beak of an insect-eating bird and watched it shear its head and wipe its beak in evident disgust.

The bug does three wonderful things with the clear liquid that it exudes: it distills sweet water, it draws nourishment, and it adds to its blood and its tissues a pungent flavor that will safeguard it against the attacks of birds and lizards.

Little by little its wings swell to full spread and strength; muscles grow in its hind legs, which in time will shoot it through great distances; and pigment of the most brilliant yellow and black forms on the coverings of its wings. When at last it creeps forth through the filmy veil of bubbles it is immature no longer, but a brilliant frog-hopper.

How Grasshoppers Are Destroyed.

Almost as big as a sparrow and endowed with the appetite of an ostrich, the western grasshopper, moving in great clouds, can soon devastate a farm upon which they alight. Their numbers have been kept down in a measure by scattering through the fields a poisoned bean mash, flavored with fruit. A half dozen different preparations were set in the path of these pests to ascertain which they preferred, and vanilla was a warm favorite, though the first place had to be awarded to a dish of acetyl acetate. This had no fewer than 379 persons out of 2,074, while the vanilla, second choice, had 242. This discovery will lead to the manufacture of a bait which will certainly reduce the size of these visiting aggregations.

How Boers Use Tobacco.

We regard ammonia as the best thing to alleviate pain from mosquito bites, but in South Africa the Boers always use tobacco, whether the attacking insect be a mosquito or wasp. This tobacco is of granular character, very light in weight, and so dry that it must be smoked in a large pipe, with a metal cover; otherwise the little whirlwinds usually found on the veldt will speedily bear it away. The Boer usually carries his tobacco in a coat pocket, and if a rider meets him on the road with a request for some tobacco he presents his temporary acquaintance with a handful.

How Auto Industry Has Grown.

In 1890 the investment in the automobile industry was \$5,768,000 and this amount of capital was utilized in producing 3,700 cars; 20 years later the capital was estimated at \$1,800,000 and the car production was 1,974,000—a 300-fold increase in capitalization and a 500-fold increase in production. In 1904 there were 13,399 employees in the industry with annual wages of \$8,316,000; five years later there were 651,450 employees and the wage roll was \$13,713,000.

How Epilepsy Is Fought.

Professor Trocillo, surgeon commander in the Italian navy and lecturer on nervous diseases in the University of Rome, reports great success in treating epilepsy with tetraborate of boron and potassium. In eight cases in an asylum four patients ceased to have attacks, while the other four were so far improved that they behaved better and were less violent.

WHY

Minutes and Hours Came to Be Computed at Sixty

"Sixty seconds make a minute, 60 minutes make an hour." You used to say that as often as you did "10 miles make a cent, 10 cents make a dime and 10 dimes make a dollar."

It is believed, in fact, certain learned men have said it has been proved that the scheme of dividing the hour into 60 parts and the minute into 60 parts was invented or devised by the ancient Babylonians long centuries before the Christian era. It is one of the ways of counting time which has gone unchanged during the past 5,000 or 10,000 years.

Along with the decimal system in ancient Babylon there was the sexagesimal system based upon the count by sixties and originating in the discovery that there is no number which has so many divisors

"H. I."

By FLORENCE MELLISH

1922, by McClure Newspaper Syndicate.**"Come in, Lois,"** called plain, sensible Miss Buffum.**Lois Parmenter** dropped upon her favorite stool, clasping her slim hands about her knees.**"This room is an oasis. How do you manage it? Is it this braided rug or those Turkey red curtains?"****Miss Buffum** looked up from the pink-colored skirt she was darning. "I guess it's Dicky-bird," she answered, with an affectionate glance toward a cage which held an aged canary.**"Letters, Lois? No, bad news?"****"The worst."****"Is it from these editors?"** Miss Buffum's tone implied that those editors had reached the limit of her forbearance.**"Yes, just listen. This is from the Mirror: 'Sorry to inform "Between the Rivers." Your description of river scenery is tipping, but the fiction market is governed by the same laws that govern the codfish market, the law of demand and supply. What our readers want is H. I. and it's up to us to see that they get it. Put more H. I. in your stories, and we'll be glad to print them.'****"Isn't that the limit? Codfish, indeed! This is from the North Star. 'We are returning "Isabelle's Garden" with regret. It's total lack of H. I. renders it unavailable for our columns.'****"But, Lois, if that 'H. I.' is what you want, why don't you put some in it?"****"I haven't the remotest idea what it is. Do you know, Miss Buffum?"****"Dear, no! I haven't any education."****Miss Buffum** seemed to enfold the girl in her womanly sympathy as she might have wrapped her in the old plaid shawl.**"You'll make good, Lois. I liked that garden story. I could smell the pinks. But why didn't Isabella come out herself?"****"She did, once."****"But she didn't stay long."****"She had lots to do. And so have I."** Lois sprung up. **"Goodbye, Miss Buffum."****"Why, Lois! You're bright as the morning. Has something important happened?"** cried Miss Buffum, as the girl poised herself on the threshold with eyes alight.**"What do you think? There's a big boy in the hall of 'H. I.'"****"Lois Parmenter! How do you know what it's full of? You haven't been seeing into it?"****"Certainly not. I didn't have a glimpse. But guess 'H. I.' is in brass bands."****"Oh! that stands for 'Harvey Ite!'"****"But why all this packing?"** said Lois.**"Moretta's children are down with measles. I'm going by the next train. Will it be asking too much of you to look after Dicky?"****"Miss Buffum! not enough—if you must go."****Miss Buffum packed her shirt waists with a sigh for this negative sort of meanness.****When Lois came in a little late for dinner she noticed an unusual animation in the usual group. The new, disorderly, buoyant, genial, was creating an adventure. The sun-faced Mrs. Bond was almost smiling, and the amiable Mr. Haneaway looked actually interested.****"That's a great experience, Mr. Ite,"** he said.**"Life is full of great experiences,"** returned Mr. Ite.**Then somebody introduced Lois.** The next morning was Sunday, and Lois and Mr. Ite found themselves alone at breakfast.**"A great morning,"** he ventured.**"Very much like yesterday, I think."** The conversation languished.**"I write stories,"** she said abruptly.**"Do you? That must be great."****"Very little, at present. It just seems to me that you might help me!"****"Oh! I'd be glad to and we'll take a long walk after church and a longer one after dinner. We'll go every Sunday. Then small boys like Kipling and better keep out of the way."*************Miss Buffum did not return until spring.****"The blessed little boy!"** she cried, as Lois tripped in with Dicky's cage. "Has Dicky been a good bird and not a suite of trouble?"**"He has been a very good bird."****"But you, Lois. You've improved wonderfully. You have a beautiful voice."****"I've just come in for a walk with Harvey."****"That's good for you, but what makes you call him Harvey?"****"Because his name isn't Horatio. But sit down a moment, Miss Buffum. This letter won't keep."****Miss Buffum** dropped into a chair with an armful of shirt waists, and Lois read...**"My dear Miss Parmenter— 'He That Goeth Farth to Battle' will appear in an early issue. We have accepted it on account of its strong human interest. We shall be glad to have you submit other stories!"****"You dear child! But I'm not a bit surprised, I knew those editors would come to their senses by spring."****"And the best of it is, we know now what 'H. I.' stands for."****Miss Buffum** shot Lois a keen glance over the shirt waists.**"In my opinion it stands for Harvey."****LOCAL DASHES****Messrs. Alvin Ross and Estill Brown, of Centertown, paid us a welcome call while in this city on business Friday.****Mr. V. L. Fulkerson** has returned from Flint, Mich., where he went to procure at the factory and drive through a new Buick car for Acton Bros., city.**Messrs. John H. Barnes and W. O. Barnes, of Beaver Dam, were in Hartford on business Monday morning and were welcome visitors at this office.****The Hartford Parent-Teachers Association will meet at the High School building tomorrow afternoon at 2:30. All patrons and friends of the school are invited.****Miss Eva Taylor** has returned from an extended motor trip through the East in company with her sister, Mrs. B. F. Zimmerman, Dr. Zimmerman and son, Buerke, of Louisville.**Mr. Waitman Brooks, city, was the victim of an accident which proved painful but not serious when a revolver which he was handling was discharged, the bullet penetrating his right hand.****Miss Leila Glenn, instructor in English, Central City High School, accompanied by Little Miss Anna Francis Perkins, of the Muhlenberg metropolis, spent the week-end as the guests of Miss Glenn's parents, Judge and Mrs. J. S. Glenn.****Messrs. S. T. Barnett, V. C. Hockner and J. A. Bellamy, composing the County Board of Drainage Commissioners and the Engineer in Charge, John B. Wilson, will make a final trip of inspection over the Roy Muffett Public Ditch, which has just been completed.****A meeting was held at the court house yesterday afternoon at 4 o'clock in the interest of the Dark Tobacco Growers Co-Operative Association. It was especially intended for the local business men who were especially invited and whose help and support were asked for.****Bro. Ding, a Chinese student of Georgetown College, delivered a most interesting and instructive lecture at the Hartford Baptist Church Monday night on Chinese life and customs and his own experience in the Orient and since coming to this country. He was heard by a very large and appreciative audience.****"Herald Square" sure did bask in the limelight Saturday night during the closing hours of our Subscription Contest. The friends of the candidates and the paper thronged the office, and adjacent streets from shortly after sundown until the final results were made known about eleven o'clock. The occasion was peculiarly reminiscent of the enthusiastic crowds of election night after a redhot campaign.****Mr. William J. Duffy, of Duluth, Minn., who has been conducting the Herald Subscription Contest for the last several weeks, accompanied by his assistant, Mr. Wallace Nolen, of Union City, Tenn., will leave this morning for Smithville, Tenn., where they will put on another contest for the Reliance Circulation Co., of which Mr. Duffy is the head. We are indeed sorry to see our good friends leaving us.****Why One Should Read Lamb.** So you ask me again why you should read Lamb, and I answer: first, because he has always something to say and conveys his thought "without smothering it in blanket"; second, because in antique fancy, quip, oddity, whimsical jest, humor, wit and irony, rare gifts all, he is a supreme master; third, because his limitations and tragedies were, like ours, many, but his courage in facing them, unlike ours, was cheerful and invincible; . . . and, fourth, because he has taken the homely and familiar for his subjects and sheds fresh and beautiful light upon them.—S. F. B. Mats.**Why the Turkey Died.****Mr. Smart did not allow his debtors much time to discharge their liabilities, and he had the effrontery to call on a customer for the collection of a bill on Christmas day. "I have called," he began, "to ascertain when you intend to pay me the cash you owe?"****"Well, sir," replied the debtor, who was enjoying his Christmas dinner, "I am at the end of my resources; in fact, I have nothing to pay anyone, and I can see grim poverty staring me in the face."****"That being so, I fail to see why you should be enjoying the luxury of a turkey," added the creditor angrily.****"Alas," said the debtor mournfully, "I couldn't afford its keep."**

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